

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 05-165967

(43)Date of publication of application : 02.07.1993

(51)Int.Cl.

G06F 15/70

G06F 15/70

G06F 15/70

(21)Application number : 03-352267

(71)Applicant : SONY CORP

(22)Date of filing : 13.12.1991

(72)Inventor : YOSHIMURA SHINICHI
KONISHI TOSHIO

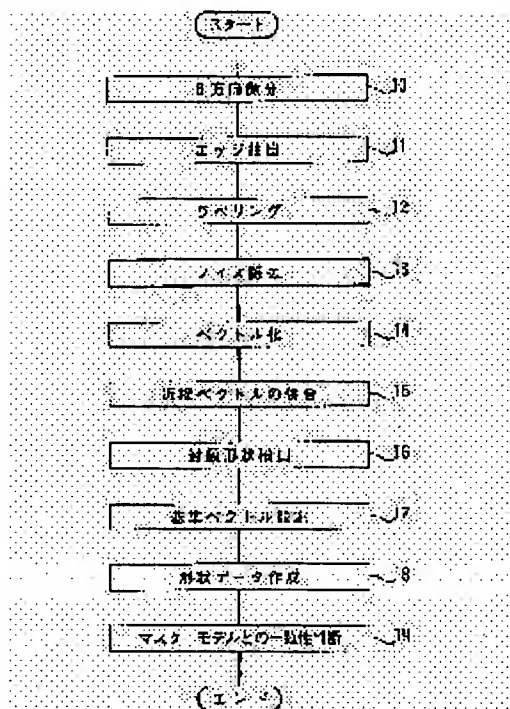
(54) SHAPE RECOGNIZING METHOD FOR IMAGE PROCESSING

(57)Abstract:

PURPOSE: To perform stable shape recognition processing even with image data picked up under inferior lighting conditions and to provide the shape recognizing method which is short in processing time.

CONSTITUTION: Differential values of plural directions are found (10) from light and shade image data which are arrayed in two dimensions, maximum differential values are selected, and the edge of an object image is extracted (11) by discriminating the respective maximum differential values by using a specific threshold value.

Edge data which are successive and have the same direction are given the same label and the labeled edge data are displayed (14) as vectors; and a closed vector series is extracted (16) from the vector display group and the shape recognition is performed (19) by calculating the direction difference between a specific vector and a segment ratio as to each vector in the vector series.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of

rejection]

[Kind of final disposal of application other than
the examiner's decision of rejection or
application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's
decision of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office